What is claimed is:

1. A method of driving a plasma display panel having one frame divided into a plurality of sub-fields for its driving, comprising the steps of:

applying a first driving waveform to said sub-fields at a temperature more than a low temperature; and

applying a second driving waveform different from the first driving waveform to said sub-fields at the low temperature.

- 2. The method as claimed in claim 1, wherein each of said sub-fields includes an initialization period, which is divided into a set-up interval for forming wall charges at a discharge cell and a set-down interval for erasing a portion of the wall charges formed in the set-up interval.
- 3. The method as claimed in claim 2, wherein said first and second driving waveforms are set such that the waveforms applied in the set-up interval are different from each other while the waveforms applied in the other interval are identical to each other.
- 4. The method as claimed in claim 2, further comprising the steps of:

applying a rising ramp waveform to a scan electrode provided at each discharge cell during the set-up interval when said first driving waveform is supplied;

applying a ground voltage to a common sustain electrode provided, in parallel with the scan electrode, at each discharge cell in the first half of the set-up interval; and

floating the sustain electrode in the second half of

the set-up interval.

5. The method as claimed in claim 2, further comprising the steps of:

applying a rising ramp waveform to a scan electrode provided at each discharge cell during the set-up interval when said second driving waveform is supplied; and

applying a ground voltage to a common sustain electrode provided, in parallel with the scan electrode, at each discharge cell.

- 6. The method as claimed in claim 2, wherein said low temperature is 20°C to -50°C .
- 7. A method of driving a plasma display panel in which an initialization period included in each sub-field is divided into a set-up interval and a set-down interval for its driving, comprising the steps of:

displaying a picture on the panel;
sensing a driving temperature of the panel; and
setting a driving waveform to be applied in the setup interval in correspondence with said driving
temperature of the panel.

- 8. The method as claimed in claim 7, wherein a driving waveform supplied when said driving temperature of the panel is a low temperature is set differently from a driving waveform supplied when said driving temperature of the panel is more than the low temperature.
- 9. The method as claimed in claim 8, further comprising the steps of:

applying a rising ramp waveform to a scan electrode

provided at each discharge cell during the set-up interval when said driving temperature of the panel is said low temperature; and

applying a ground voltage to a common sustain electrode provided, in parallel with the scan electrode, at each discharge cell.

10. The method as claimed in claim 8, further comprising the steps of:

applying a rising ramp waveform to a scan electrode provided at each discharge cell during the set-up interval when said driving temperature of the panel is a temperature more than said low temperature;

applying a ground voltage to a common sustain electrode provided, in parallel with the scan electrode, at each discharge cell in the first half of the set-up interval; and

floating the sustain electrode in the second half of the set-up interval.

- 11. A driving apparatus for a plasma display panel in which an initialization period included in each sub-field is divided into a set-up interval and a set-down interval for its driving, comprising:
- a temperature sensor for sensing a driving temperature of the panel;
- a switching device provided between a plurality of common sustain electrodes provided at the panel and a ground voltage source; and
- a timing controller for controlling a turning-on and a turning-off of the switching device in correspondence with a temperature inputted from the temperature sensor.

- 12. The driving apparatus as claimed in claim 11, wherein said timing controller differently controls said turning-on and said turning-off of the switching device when a driving temperature inputted from the temperature sensor is a low temperature and when a driving temperature inputted from the temperature sensor is a temperature more than the low temperature.
- 13. The driving apparatus as claimed in claim 12, wherein said timing controller turns on the switching device in the first half of the set-up interval while turning off the switching device in the second half of the set-up interval to float the common sustain electrode when a driving temperature inputted from the temperature sensor is more than said low temperature.
- 14. The driving apparatus as claimed in claim 12, wherein said timing controller turns on the switching device during the set-up interval when a driving temperature inputted from the temperature sensor is said low temperature.
- 15. The driving apparatus as claimed in claim 11, further comprising:
- a sustain driver for driving the common sustain electrode;
- a scan driver for driving a plurality of scan electrodes provided in parallel with the common sustain electrode; and
- a data driver for driving a plurality of address electrode provided in a direction crossing the common sustain electrode,

wherein said timing controller controls the sustain

driver, and the scan driver and the data driver.

- 16. A driving apparatus for a plasma display panel in which an initialization period included in each sub-field is divided into a set-up interval and a set-down interval for its driving, comprising:
- a temperature sensor for sensing a driving temperature of the panel;
- a switching device provided between a plurality of common sustain electrodes provided at the panel and a ground voltage source; and
- a switch controller for controlling a turning-on and a turning-off of the switching device in correspondence with a temperature inputted from the temperature sensor.
- 17. The driving apparatus as claimed in claim 16, wherein said switch controller differently controls said turning—on and said turning—off of the switching device when a driving temperature inputted from the temperature sensor is a low temperature and when a driving temperature inputted from the temperature sensor is more than the low temperature.
- 18. The driving apparatus as claimed in claim 17, wherein said switch controller turns on the switching device in the first half of the set-up interval while turning off the switching device in the second half of the set-up interval to float the common sustain electrode when a driving temperature inputted from the temperature sensor is more than said low temperature.
- 19. The driving apparatus as claimed in claim 17, wherein said switch controller turns on the switching device

during the set-up interval when a driving temperature inputted from the temperature sensor is said low temperature.